

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6616-72631-06
Application Number	10/583,537
Filing Date	June 15, 2006
First Named Inventor	Lightner
Art Unit	1638
Examiner Name	

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,639,790	June 17, 1997	VOELKER and DAVIES
		5,704,160	January 6, 1998	BERGQUIST <i>et al.</i>
		6,229,033	May 8, 2001	KNOWLTON, Susan
		6,248,939	June 19, 2001	LETO and ULRICH

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		PCT/WIPO	WO01/083697	August 11, 2001	EXELIXIS PLANT SCIENCES, INC.

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
		ANOOP <i>et al.</i> , "Modulation of citrate metabolism alters aluminum tolerance in yeast and transgenic canola overexpressing a mitochondrial citrate synthase," <i>Plant Physiol.</i> , 132:2205-2217, 2003.
		BEISSON <i>et al.</i> , "Arabidopsis genes involved in acyl lipid metabolism. A 2003 census of the candidates, a study of the distribution of expressed sequence tags in organs, and a web-based database," <i>Plant Physiol.</i> , 132:681-697, 2003.
		BERT <i>et al.</i> , "Comparative genetic analysis of quantitative traits in sunflower (<i>Helianthus annuus</i> L.). 2. Characterisation of QTL involved in developmental and agronomic traits," <i>Theor. Appl. Genet.</i> , 107:181-189, 2003.
		CHOISNE <i>et al.</i> , Database GenEMBL, Accession No. AL049746, June 1999.
		COLBERT <i>et al.</i> , "High-throughput screening for induced point mutations," <i>Plant Physiol.</i> , 126(2):480-484, 2001.
		DEHESH <i>et al.</i> , "Overexpression of 3-ketoacyl-acyl-carrier protein synthase IIIs in plants reduces the rate of lipid synthesis," <i>Plant Physiol.</i> , 125:1103-1114, 2001.

EXAMINER
SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6616-72631-06
Application Number	10/583,537
Filing Date	June 15, 2006
First Named Inventor	Lightner
Art Unit	1638
Examiner Name	

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		EASTMOND and GRAHAM, "Re-examining the role of glyoxylate cycle in oilseeds," <i>Trends Plant Sci.</i> , 6(2):72-77, 2001.
		ECCLESTON and OHLROGGE, "Expressions of lauroyl-acyl carrier protein thioesterase in <i>brassica napus</i> seeds induces pathways for both fatty acid oxidation and biosynthesis and implies a set point for triacylglycerol accumulation," <i>Plant Cell</i> , 10:613-621, 1998.
		FATLAND <i>et al.</i> , "Molecular biology of cytosolic acetyl-CoA generation," <i>Biochem. Soc. Trans.</i> , 28(6):593-595, 2000.
		FATLAND <i>et al.</i> , "Reverse genetic characterization of cytosolic acetyl-CoA generation by ATP-citrate lyase in <i>Arabidopsis</i> ," <i>Plant Cell</i> , 17:182-203, 2005.
		FELDMANN <i>et al.</i> , "A Dwarf Mutant of <i>Arabidopsis</i> Generated by T-DNA Insertion Mutagenesis," <i>Science</i> , 243(4896):1351-1354, 1989.
		FOCKS and BENNING, " <i>wrinkled1</i> : A novel, low-seed-oil mutant of <i>Arabidopsis</i> with a deficiency in the seed-specific regulation of carbohydrate metabolism," <i>Plant Physiol.</i> , 118:91-101, 1998.
		GIRKE <i>et al.</i> , "Microarray analysis of developing <i>Arabidopsis</i> seeds," <i>Plant Physiol.</i> , 124:1570-1581, 2000.
		JAKO <i>et al.</i> , "Seed-specific over-expression of an <i>Arabidopsis</i> cDNA encoding a diacylglycerol acyltransferase enhances seed oil content and seed weight," <i>Plant Physiol.</i> , 126(2):861-874, 2001.
		JAMES, DW and DOONER, HK, "Isolation of EMS-induced mutants in <i>Arabidopsis</i> altered in seed fatty acid composition," <i>Theor. Appl. Genet.</i> , 80(2):241-245, 1990.
		KATAVIC <i>et al.</i> , "Alteration of seed fatty acid composition by an ethyl methanesulfonate-induced mutation in <i>Arabidopsis thaliana</i> affecting diacylglycerol acyltransferase activity," <i>Plant Physiol.</i> , 108:399-409, 1995.
		KATAVIC <i>et al.</i> , "Utility of the <i>Arabidopsis</i> <i>FAE1</i> and yeast <i>SLC1-1</i> genes for improvements in erucic acid and oil content in rapeseed," <i>Biochem Soc. Trans.</i> , 28(6):935-937, 2000.
		LARSON <i>et al.</i> , "Acyl CoA profiles of transgenic plants that accumulate medium-chain fatty acids indicate inefficient storage lipid synthesis in developing oilseeds," <i>Plant J.</i> , 32:519-527, 2002.
		LEMIEUX <i>et al.</i> , "Mutants of <i>Arabidopsis</i> with alterations in seed lipid fatty acid composition," <i>Theor. Appl. Genet.</i> , 80(2):234-240, 1990.

EXAMINER
SIGNATURE:DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	6616-72631-06
Application Number	10/583,537
Filing Date	June 15, 2006
First Named Inventor	Lightner
Art Unit	1638
Examiner Name	

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		LIN <i>et al.</i> , "The Pex16p homolog SSE1 and storage organelle formation in <i>Arabidopsis</i> seeds," <i>Science</i> , 284:328-330, 1999.
		LIONNETON <i>et al.</i> , "Development of an AFLP-based linkage map and localization of QTLs for seed fatty acid content in condiment mustard (<i>Brassica juncea</i>)," <i>Genome</i> , 45(6):1203-1215, 2002.
		LIU and BUTOW, "A transcriptional switch in the expression of yeast tricarboxylic acid cycle genes in response to a reduction or loss of respiratory function," <i>Mol. Cell. Biol.</i> , 19:6720-6728, 1999.
		MCCALLUM <i>et al.</i> , "Targeted screening for induced mutations," <i>Nat. Biotechnol.</i> , 18(4):455-457, 2000.
		MEKHEDOV <i>et al.</i> , "Toward a functional catalog of the plant genome. A survey of genes for lipid biosynthesis," <i>Plant Physiol.</i> , 122:389-401, 2000.
		MOIRE <i>et al.</i> , "Impact of unusual fatty acid synthesis on futile cycling through β -oxidation and on gene expression in transgenic plants," <i>Plant Physiol.</i> , 134:432-442, 2004.
		NEUHAUS and EMES, "Nonphotosynthetic Metabolism In Plastids," <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> , 51:111-140, 2000.
		O'HARA <i>et al.</i> , "Fatty acid and lipid biosynthetic genes are expressed at constant molar ratios but different absolute levels during embryogenesis," <i>Plant Physiol.</i> , 129:310-320, 2002.
		OKULEY <i>et al.</i> , "Arabidopsis FAD2 Gene Encodes the Enzyme That Is Essential for Polyunsaturated Lipid Synthesis," <i>Plant Cell</i> , 6:147-158, 1994.
		PRITCHARD <i>et al.</i> , "Germination and storage reserve mobilization are regulated independently in <i>Arabidopsis</i> ," <i>Plant J.</i> , 31(5):639-647, 2002.
		RANGASAMY and RATLEDGE, "Compartmentation of ATP:Citrate lyase in plants," <i>Plant Physiol.</i> , 122:1225-1230, 2000.
		RANGASAMY and RATLEDGE, "Genetic enhancement of fatty acid synthesis by targeting rat liver ATP:citrate lyase into plastids of tobacco," <i>Plant Physiol.</i> , 122:1231-1238, 2000.
		RATLEDGE <i>et al.</i> , "Correlation of ATP/citrate lyase activity with lipid accumulation in developing seeds of <i>Brassica napus</i> L.," <i>Lipids</i> , 32(1):7-12, 1997.
		RAWSTHORNE, S., "Carbon flux and fatty acid synthesis in plants," <i>Prog Lipid Res.</i> , 41:182-196, 2002.

EXAMINER
SIGNATURE:DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	6616-72631-06
		Application Number	10/583,537
		Filing Date	June 15, 2006
		First Named Inventor	Lightner
		Art Unit	1638
		Examiner Name	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS	
		RUUSKA <i>et al.</i> , "Contrapuntal networks of gene expression during Arabidopsis seed filling," <i>Plant Cell</i> , 14:1191-1206, 2002.	
		RYLOTT <i>et al.</i> , "Co-ordinate regulation of genes involved in storage lipid mobilization in <i>Arabidopsis thaliana</i> ," <i>Biochem Soc. Trans.</i> , 29:283-287, 2001.	
		SCHNARRENBURGER and MARTIN, "Evolution of the enzymes of the citric acid cycle and the glyoxylate cycle of higher plants, A case study of endosymbiotic gene transfer," <i>Eur. J. Biochem.</i> , 269:868-883, 2002.	
		SCHNURR <i>et al.</i> , "Characterization of an acyl-CoA synthetase from <i>Arabidopsis thaliana</i> ," <i>Biochem Soc. Trans.</i> , 28(6):957-958, 2000.	
		SHOCKEY <i>et al.</i> , "Characterization of the AMP-binding protein gene family in <i>Arabidopsis thaliana</i> : will the real acyl-CoA synthetases please stand up?" <i>Biochem Soc. Trans.</i> , 28(6):955-957, 2000.	
		THELEN <i>et al.</i> , "Biotin carboxyl carrier protein isoforms in Brassicaceae oilseeds," <i>Biochem. Soc. Trans.</i> , 28(6):595-598, 2000.	
		WHITE <i>et al.</i> , "A new set of Arabidopsis expressed sequence tags from developing seeds. The metabolic pathway from carbohydrates to seed oil," <i>Plant Physiol.</i> , 124:1582-1594, 2000.	
		YADAV <i>et al.</i> , "Cloning of higher plant omega-3 fatty acid desaturases," <i>Plant Physiol.</i> , 103(2):467-476, 1993.	

EXAMINER SIGNATURE:	DATE CONSIDERED:
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	